

List of Plants

C BETA-IONONE

Chemid

BETAIONONE

Dosage

LD50=4,590 (orl rat)

LD100=100 ug/ml

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Plant Part	Low PPM	High PPM	StdDev	*Reference
Acacia farnesiana	Flower	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
Agathosma betulina	Leaf Essent. Oil	--	--		*
Aloysia citrodora	Plant	2.0	14.0	1.38	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Aspalathus linearis	Leaf	--	--		*
Avena sativa	Seed	--	--		*
Averrhoa carambola	Fruit	--	--		*
Boronia megastigma	Flower	3800.0	7600.0	1.73	*
Camellia sinensis	Shoot	1700.0	2900.0	2.0	*
Camellia sinensis	Leaf Essent. Oil	200.0	3100.0	1.0	*
Camellia sinensis	Leaf	--	31.0	0.14	*
Capsicum frutescens	Fruit	--	--		*
Carthamus tinctorius	Leaf	--	0.09	-0.97	*
Carthamus tinctorius	Flower	0.07	0.88	-0.59	*
Citrullus lanatus	Fruit Juice	--	--		*
Citrullus lanatus	Fruit	--	--		*
Coleus barbatus	Root Essent. Oil	--	64000.0		Jim Duke's personal files.
Cucumis melo	Petiole	--	--		*
Daucus carota	Seed	--	300.0		*
Ephedra sinica	Shoot	--	7.0	-0.51	*
Ficus carica	Leaf	--	--		Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
Ginkgo biloba	Wood	--	--		Kameoka, H. and Nakai, K. 1987. Components of essential oil from the root of Glycyrrhiza-glabra. Nippon Gogeikagaku Kaishi 61(9): 1119-1122.
Ginkgo biloba	Essential	--	--		Jim Duke's personal files.

<i>Hamamelis virginiana</i>	Leaf	--	50.0	0.82	*
<i>Hyssopus officinalis</i>	Leaf	0.3	4.0	-0.83	Flavour and Fragrance Journal, 6: 72.
<i>Hyssopus officinalis</i>	Flower	0.6	6.0	-0.59	Flavour and Fragrance Journal, 6: 72.
<i>Lawsonia inermis</i>	Flower	80.0	160.0	-0.55	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Lawsonia inermis</i>	Flower Essent. Oil	--	720000.0		*
<i>Lycium chinense</i>	Fruit	--	1090.0		Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
<i>Medicago sativa</i>	Leaf	--	--		*
<i>Mentha x piperita</i>	Leaf	0.3	3.0	-0.87	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Mentha spicata</i>	Essential Oil	--	--		*
<i>Mentha spicata</i>	Leaf	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Nardostachys jatamansi</i>	Root	25.0	180.0		*
<i>Nardostachys chinensis</i>	Root	--	--		*
<i>Nepeta racemosa</i>	Shoot	--	13.0	-0.5	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of <i>Nepeta racemosa</i> Lam. J. Ess. Oil Res. 5: 215-7.
<i>Nepeta racemosa</i>	Shoot	--	13.0	-0.5	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of <i>Nepeta racemosa</i> Lam. J. Ess. Oil Res. 5: 215-7.
<i>Ocimum basilicum</i>	Shoot Essent. Oil	--	1600.0		*
<i>Origanum vulgare</i>	Plant	--	3.0	-0.44	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
<i>Origanum vulgare</i>	Plant	--	--	-0.94	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
<i>Prunus cerasus</i>	Plant	--	--		*
<i>Psidium guajava</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Rubus idaeus</i>	Plant	--	--		*
<i>Saussurea lappa</i>	Root	--	--		*
<i>Sideritis scardica</i>	Shoot	--	41.0	-0.48	Menkovic, N., et al. 1991. The Essential Oil of <i>Sideritis scardica</i> . Pl. Med. 57. Suppl. 2. pp. A137-A132.
<i>Stevia rebaudiana</i>	Flower	--	--		Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
<i>Stevia rebaudiana</i>	Leaf	--	--		Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
<i>Tamarindus indica</i>	Fruit	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Triticum aestivum</i>	Plant	--	--		*
<i>Vaccinium corymbosum</i>	Plant	--	--		*
<i>Valeriana officinalis</i>	Leaf Essent. Oil	1800.0	3000.0	-1.0	*
<i>Valeriana officinalis</i>	Root	--	--		*
<i>Valeriana officinalis</i>	Leaf	4.0	75.0	1.71	Father Nature's Farmacy: The aggregate of all these three-letter citations.
<i>Viola odorata</i>	Flower	--	--		*
<i>Vitis vinifera</i>	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

	Essent. Oil				
Zea mays	Silk Stigma Style	--	--	*	
Zea mays	Plant	--	--	*	
Zea mays	Husk Essent. Oil	--	12000.0	*	
Zea mays	Leaf	--	--	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.	
Zingiber officinale	Rhizome Essent. Oil	--	--	*	
Zingiber officinale	Rhizome	--	--	*	